

| L Number | Hits | Search Text  | DB                            | Time stamp       |
|----------|------|--|-------------------------------|------------------|
| 1        | 122  | ((((alpha adj \$1olefin or alpha?olefin or poly?alpha?olefin) and (needle or NP)) and (melt adj viscosity or MV)) and (softening or sp)) and (mix or mixture or blend) 6586536.pn. and (mix or mixture or blend) | USPAT; US-PGPUB               | 2003/12/11 09:33 |
| 2        | 1    | propylene\$3hex\$1ne adj \$2polymer  | USPAT; US-PGPUB               | 2003/12/11 09:33 |
| -        | 109  | (propylene\$3hex\$1ne adj \$2polymer) and softening adj temperature  | USPAT; US-PGPUB               | 2003/08/05 10:10 |
| -        | 9    | UT adj "2175"  | USPAT; US-PGPUB               | 2003/02/20 15:39 |
| -        | 1    | clearon adj p105   | USPAT; US-PGPUB               | 2003/02/21 14:04 |
| -        | 10   | (clearon adj p105) and softening   | USPAT; US-PGPUB               | 2003/02/21 14:04 |
| -        | 7    | ("20010031670").PN.  | USPAT; US-PGPUB               | 2003/02/21 14:07 |
| -        | 1    | ep-442045-\$ .did.   | USPAT; US-PGPUB; EPO; DERWENT | 2003/02/21 14:07 |
| -        | 2    | vestoplast adj "704"   | USPAT; US-PGPUB; EPO; DERWENT | 2003/02/23 11:17 |
| -        | 3    | ((5763333) or (5241014)).PN.   | USPAT; US-PGPUB               | 2003/02/23 11:18 |
| -        | 2    | 5763333.pn. and softener   | USPAT; US-PGPUB               | 2003/06/19 14:02 |
| -        | 1    | 5763333.pn. and sprayable  | USPAT; US-PGPUB               | 2003/06/19 17:06 |
| -        | 0    | 5763333.pn. and spray  | USPAT; US-PGPUB               | 2003/06/19 17:06 |
| -        | 0    | 5021257.pn. and tackifier  | USPAT; US-PGPUB               | 2003/06/19 17:28 |
| -        | 1    | ((524/491) or (156/334)).CCLS.   | USPAT; US-PGPUB               | 2003/08/05 11:38 |
| -        | 908  | ((524/491) or (156/334)).CCLS.   | USPAT; US-PGPUB               | 2003/08/05 10:13 |
| -        | 501  | ((524/491) or (156/334)).CCLS.) and (@rlad<19981231 or @ad<19981231)   | USPAT; US-PGPUB               | 2003/08/05 10:14 |
| -        | 329  | ((((524/491) or (156/334)).CCLS.) and (@rlad<19981231 or @ad<19981231)) and viscosity  | USPAT; US-PGPUB               | 2003/08/05 10:15 |
| -        | 139  | (((((524/491) or (156/334)).CCLS.) and (@rlad<19981231 or @ad<19981231)) and viscosity) and softening  | USPAT; US-PGPUB               | 2003/08/05 10:15 |
| -        | 91   | (((((524/491) or (156/334)).CCLS.) and (@rlad<19981231 or @ad<19981231)) and viscosity) and softening ) and (polyalphaolefin or alphaolefin or \$7olefin)  | USPAT; US-PGPUB               | 2003/08/05 10:58 |
| -        | 114  | ((524/491) or (156/334)).CCLS.) and mixture with (polyalphaolefin or alphaolefin or \$7olefin)   | USPAT; US-PGPUB               | 2003/08/05 10:46 |
| -        | 1    | ((524/491) or (156/334)).CCLS.) and mixture with (polyalphaolefin or alphaolefin or ".alpha.-olefin" or APAO)  | USPAT; US-PGPUB               | 2003/08/05 10:47 |
| -        | 4    | ((524/491) or (156/334)).CCLS.) and blend with (polyalphaolefin or alphaolefin or ".alpha.-olefin" or ".alpha.-olefins" or APAO)   | USPAT; US-PGPUB               | 2003/08/05 10:59 |
| -        | 25   | ((524/491) or (156/334)).CCLS.) and (polyalphaolefin or alphaolefin or ".alpha.-olefin" or ".alpha.-olefins" or APAO)  | USPAT; US-PGPUB               | 2003/08/05 11:31 |
| -        | 1    | ("4460728").PN.  | USPAT; US-PGPUB               | 2003/08/05 11:00 |
| -        | 103  | ((524/491) or (156/334)).CCLS.) and (polyalphaolefin or alphaolefin or ".alpha.-olefin" or ".alpha.-olefins" or APAO or amorphous)   | USPAT; US-PGPUB               | 2003/08/05 15:13 |

|  |       |   |                 |                  |
|--|-------|---|-----------------|------------------|
|  | 83    | ((((524/491) or (156/334)).CCLS.) and (polyalphaolefin or alphaolefin or ".alpha.-olefin" or ".alpha.-olefins" or APAO or amorphous)) and viscosity   | USPAT; US-PGPUB | 2003/08/05 11:32 |
|  | 75    | ((((524/491) or (156/334)).CCLS.) and (@rlad<19981231 or @ad<19981231)) and (((((524/491) or (156/334)).CCLS.) and (polyalphaolefin or alphaolefin or ".alpha.-olefin" or ".alpha.-olefins" or APAO or amorphous)) and viscosity)                                 | USPAT; US-PGPUB | 2003/08/05 11:32 |
|  | 365   | ((524/491) or (156/334)).CCLS.  | USOCR           | 2003/08/05 11:38 |
|  | 218   | ((((524/491) or (156/334)).CCLS.) and viscosity   | USOCR           | 2003/08/05 11:39 |
|  | 67    | ((((524/491) or (156/334)).CCLS.) and viscosity) and softening  | USOCR           | 2003/08/05 11:39 |
|  | 103   | ((((524/491) or (156/334)).CCLS.) and (polyalphaolefin or alphaolefin or ?alpha\$1olefin\$1 or APAO or amorphous)   | USPAT; US-PGPUB | 2003/08/05 15:14 |
|  | 103   | ((((524/491) or (156/334)).CCLS.) and (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous)   | USPAT; US-PGPUB | 2003/08/05 15:27 |
|  | 63    | ((((524/491) or (156/334)).CCLS.) and (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous)) not (((((524/491) or (156/334)).CCLS.) and (@rlad<19981231 or @ad<19981231)) and viscosity) and softening )                                    | USPAT; US-PGPUB | 2003/08/05 15:17 |
|  | 29766 | viscosity and (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous)   | USPAT; US-PGPUB | 2003/08/05 15:28 |
|  | 9156  | (viscosity and (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous)) and adhesive  | USPAT; US-PGPUB | 2003/08/05 15:27 |
|  | 1493  | ((viscosity and (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous)) and adhesive) and melt adj viscosity   | USPAT; US-PGPUB | 2003/08/05 15:27 |
|  | 668   | ((viscosity and (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous)) and adhesive) and melt adj viscosity) and softening  | USPAT; US-PGPUB | 2003/08/05 15:28 |
|  | 180   | ((((viscosity and (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous)) and adhesive) and melt adj viscosity) and softening) and (blend or mixture) with (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous)       | USPAT; US-PGPUB | 2003/08/06 08:57 |
|  | 1     | ("5397843").PN.   | USPAT; US-PGPUB | 2003/08/05 17:11 |
|  | 1     | 5397843.pn. and softening   | USPAT; US-PGPUB | 2003/08/06 08:45 |
|  | 801   | amorphous adj polypropylene   | USPAT; US-PGPUB | 2003/08/06 08:50 |
|  | 261   | (amorphous adj polypropylene) and softening adj (point or temperature)  | USPAT; US-PGPUB | 2003/08/06 08:46 |
|  | 178   | ((amorphous adj polypropylene) and softening adj (point or temperature)) and ethylene near2 copolymer   | USPAT; US-PGPUB | 2003/08/06 08:47 |
|  | 36    | amorphous adj polypropylene with softening adj (point or temperature)   | USPAT; US-PGPUB | 2003/08/06 08:51 |
|  | 78    | ((((viscosity and (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous)) and adhesive) and melt adj viscosity) and ring nearl ball) and (blend or mixture) with (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous) | USPAT; US-PGPUB | 2003/08/06 08:58 |

|  |       |   |                 |                  |
|--|-------|---|-----------------|------------------|
|  | 180   | ((viscosity and (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous)) and adhesive) and melt adj viscosity) and softening) and (blend or mixture) with (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous)   | USPAT; US-PGPUB | 2003/08/06 10:59 |
|  | 0     | ((((viscosity and (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous)). and adhesive) and melt adj viscosity) and ring near1 ball) and (blend or mixture) with (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous)) not (((((viscosity and (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous)) and adhesive) and melt adj viscosity) and softening) and (blend or mixture) with (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous)) | USPAT; US-PGPUB | 2003/08/06 08:58 |
|  | 10    | ((((viscosity and (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous)) and adhesive) and melt adj viscosity) and softening) and (blend or mixture) with (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous))  | USOCR           | 2003/08/06 11:13 |
|  | 22810 | ((viscosity and (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous)) and adhesive) and melt adj viscosity) and softening) and (blend or mixture) with (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous)   | USPAT; US-PGPUB | 2003/12/10 08:04 |
|  | 12831 | alpha adj \$1olefin   | USPAT; US-PGPUB | 2003/08/06 11:12 |
|  | 1544  | (alpha adj \$1olefin) and viscosity   | USPAT; US-PGPUB | 2003/08/06 11:12 |
|  | 525   | ((alpha adj \$1olefin) and viscosity) and softening adj (temperature or point).   | USPAT; US-PGPUB | 2003/08/06 11:12 |
|  | 520   | ((alpha adj \$1olefin) and viscosity) and softening adj (temperature or point)) and melt adj viscosity  | USPAT; US-PGPUB | 2003/08/06 11:13 |
|  | 218   | ((((alpha adj \$1olefin) and viscosity) and softening adj (temperature or point)) and melt adj viscosity) and (blend or mixture)  | USPAT; US-PGPUB | 2003/08/06 11:14 |
|  | 179   | ((((alpha adj \$1olefin) and viscosity) and softening adj (temperature or point)) and melt adj viscosity) and (blend or mixture) with alpha   | USPAT; US-PGPUB | 2003/08/06 11:14 |
|  | 63    | ((((alpha adj \$1olefin) and viscosity) and softening adj (temperature or point)) and melt adj viscosity) and (blend or mixture) with alpha) not (((((viscosity and (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous)) and adhesive) and melt adj viscosity) and softening) and (blend or mixture) with (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous))  | USPAT; US-PGPUB | 2003/08/06 11:14 |
|  |       | (((((alpha adj \$1olefin) and viscosity) and softening adj (temperature or point)) and melt adj viscosity) and (blend or mixture) with alpha) not (((((viscosity and (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous)) and adhesive) and melt adj viscosity) and softening) and (blend or mixture) with (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous))) and (blend or mixture).ab,ti.  |                 |                  |

|  |        |   |                 |                  |
|--|--------|---|-----------------|------------------|
|  | 51     | (((((alpha adj \$1olefin) and viscosity) and softening adj (temperature or point)) and melt adj viscosity) and (blend or mixture) with alpha) not (((((viscosity and (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous)) and adhesive) and melt adj viscosity) and softening) and (blend or mixture) with (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous))) and (alpha).ab,ti.   | USPAT; US-PGPUB | 2003/08/06 11:14 |
|  | 14     | (((((alpha adj \$1olefin) and viscosity) and softening adj (temperature or point)) and melt adj viscosity) and (blend or mixture) with alpha) not (((((viscosity and (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous)) and adhesive) and melt adj viscosity) and softening) and (blend or mixture) with (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous))) and (blend or mixture).ab,ti.) and ((((((alpha adj \$1olefin) and viscosity) and softening adj (temperature or point)) and melt adj viscosity) and (blend or mixture) with alpha) not (((((viscosity and (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous)) and adhesive) and melt adj viscosity) and softening) and (blend or mixture) with (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous))) and (alpha).ab,ti.) | USPAT; US-PGPUB | 2003/08/06 11:15 |
|  | 97     | (((((alpha adj \$1olefin) and viscosity) and softening adj (temperature or point)) and melt adj viscosity) and (blend or mixture) with alpha) not (((((viscosity and (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous)) and adhesive) and melt adj viscosity) and softening) and (blend or mixture) with (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous))) and adhesive   | USPAT; US-PGPUB | 2003/08/06 11:15 |
|  | 50     | (((((alpha adj \$1olefin) and viscosity) and softening adj (temperature or point)) and melt adj viscosity) and (blend or mixture) with alpha) not (((((viscosity and (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous)) and adhesive) and melt adj viscosity) and softening) and (blend or mixture) with (polyalphaolefin or alphaolefin or ?alpha\$2olefin\$1 or APAO or amorphous))) and adhesive) and (blend or blended or mixture or alpha).ti,ab.  | USPAT; US-PGPUB | 2003/08/06 11:16 |
|  | 23913  | alpha adj \$1olefin or alpha?olefin or poly?alpha?olefin  | USPAT; US-PGPUB | 2003/12/10 08:04 |
|  | 1706   | (alpha adj \$1olefin or alpha?olefin or poly?alpha?olefin) and (needle or NP)   | USPAT; US-PGPUB | 2003/12/10 08:58 |
|  | 223    | ((alpha adj \$1olefin or alpha?olefin or poly?alpha?olefin) and (needle or NP)) and (melt adj viscosity or MV)  | USPAT; US-PGPUB | 2003/12/10 08:58 |
|  | 123    | ((alpha adj \$1olefin or alpha?olefin or poly?alpha?olefin) and (needle or NP)) and (melt adj viscosity or MV)) and (softening or sp)   | USPAT; US-PGPUB | 2003/12/11 09:16 |
|  | 122674 | amorphous   | USPAT; US-PGPUB | 2003/12/10 08:58 |
|  | 10804  | amorphous and (needle or NP)  | USPAT; US-PGPUB | 2003/12/10 08:58 |

|   |     |   |                 |                  |
|---|-----|---|-----------------|------------------|
| - | 825 | ((amorphous and (needle or NP)) and (melt adj viscosity or MV))   | USPAT; US-PGPUB | 2003/12/10 08:58 |
| - | 287 | ((amorphous and (needle or NP)) and (melt adj viscosity or MV)) and (softening or sp))  | USPAT; US-PGPUB | 2003/12/10 08:58 |
| - | 117 | ((((amorphous and (needle or NP)) and (melt adj viscosity or MV)) and (softening or sp)) and (needle adj penetration or NP))  | USPAT; US-PGPUB | 2003/12/10 09:23 |
| - | 57  | ((((amorphous and (needle or NP)) and (melt adj viscosity or MV)) and (softening or sp)) and (needle adj penetration or NP)) and adhesive   | USPAT; US-PGPUB | 2003/12/10 08:59 |
| - | 88  | ((((alpha adj \$1olefin or alpha?olefin or poly?alpha?olefin) and (needle or NP)) and (melt adj viscosity or MV)) and (softening or sp)) and adhesive   | USPAT; US-PGPUB | 2003/12/10 08:59 |
| - | 17  | (((((alpha adj \$1olefin or alpha?olefin or poly?alpha?olefin) and (needle or NP)) and (melt adj viscosity or MV)) and (softening or sp)) and adhesive) and (needle adj penetration or NP)  | USPAT; US-PGPUB | 2003/12/10 09:31 |
| - | 26  | dmm near2 millimeter  | USPAT; US-PGPUB | 2003/12/10 09:53 |
| - | 42  | (((((amorphous and (needle or NP)) and (melt adj viscosity or MV)) and (softening or sp)) and (needle adj penetration or NP)) and adhesive) not (((((alpha adj \$1olefin or alpha?olefin or poly?alpha?olefin) and (needle or NP)) and (melt adj viscosity or MV)) and (softening or sp)) and adhesive) and (needle adj penetration or NP)) | USPAT; US-PGPUB | 2003/12/10 09:54 |